Address Theme and
National Address Database Update

Presented by

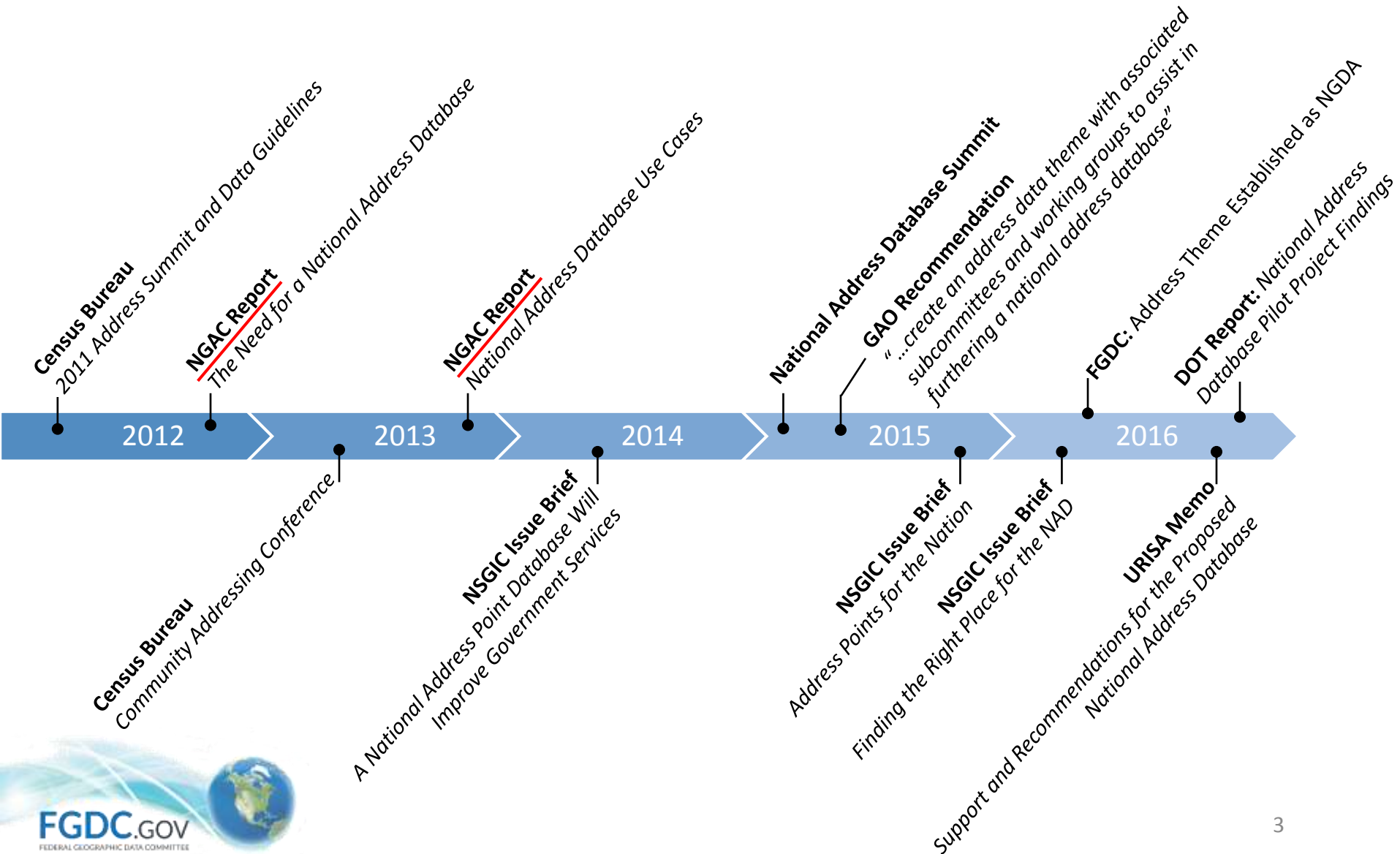**Steve Lewis,** Department of Transportation

Tim Trainor, Census Bureau

March 22nd, 2017

Topics

- ❖ Address Theme Background and Update
- ❖ NAD Pilot Update
- ❖ NAD Federal User Requirements Workshop

Address Theme and NAD Timeline

Timeline (2012–2016):

Census Bureau — 2011 Address Summit and Data Guidelines

NGAC Report — The Need for a National Address Database

Census Bureau — Community Addressing Conference

NGAC Report — National Address Database Use Cases

NSGIC Issue Brief — A National Address Point Database Will Improve Government Services

National Address Database Summit

GAO Recommendation — "...create an address data theme with associated subcommittees and working groups to assist in furthering a national address database"

NSGIC Issue Brief — Address Points for the Nation

NSGIC Issue Brief — Finding the Right Place for the NAD

FGDC: Address Theme Established as NGDA

DOT Report: National Address Database Pilot Project Findings

URISA Memo — Support and Recommendations for the Proposed National Address Database

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Roles and Responsibilities

❖ **Executive Champions**

DOT – Steve Lewis

Census Bureau – Tim Trainor

❖ **Address Theme Leads**

DOT – Steve Lewis

Census Bureau – Lynda Liptrap

❖ **Address Theme Subcommittee**

DOT – Steve Lewis

Census Bureau – Mark Lange

❖ **NAD Dataset Manager**

Census Bureau – Matt Zimolzak

❖ **NAD Technology Operations Manager**

DOT – Steve Lewis

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Address Theme and NAD Goals

☒ Establish Address Subcommittee

☒ Develop Theme Definition

☒ Gather and Refine NAD User Requirements

❑ Finalize Subcommittee Charter – in progress

❑ Establish Theme Community on

    the GeoPlatform – in progress

❑ Assess the DOT Pilot NAD Database

❑ Develop a Theme Strategic Plan

Address Subcommittee

16 Agency Subcommittee Members

Department/Agency	Department/Agency
Census Bureau	Department of Labor
Consumer Financial Protection Bureau	Department of Transportation
Department of Education	Department of Veterans Affairs
Department of Energy	Federal Emergency Management Agency
Department of Homeland Security	National Technical Information Service
Department of Housing and Urban Development	Office of Management and Budget
Department of the Interior	U.S. Postal Service
Department of Justice	Social Security Administration

Address Subcommittee

25+ Non-federal Partners

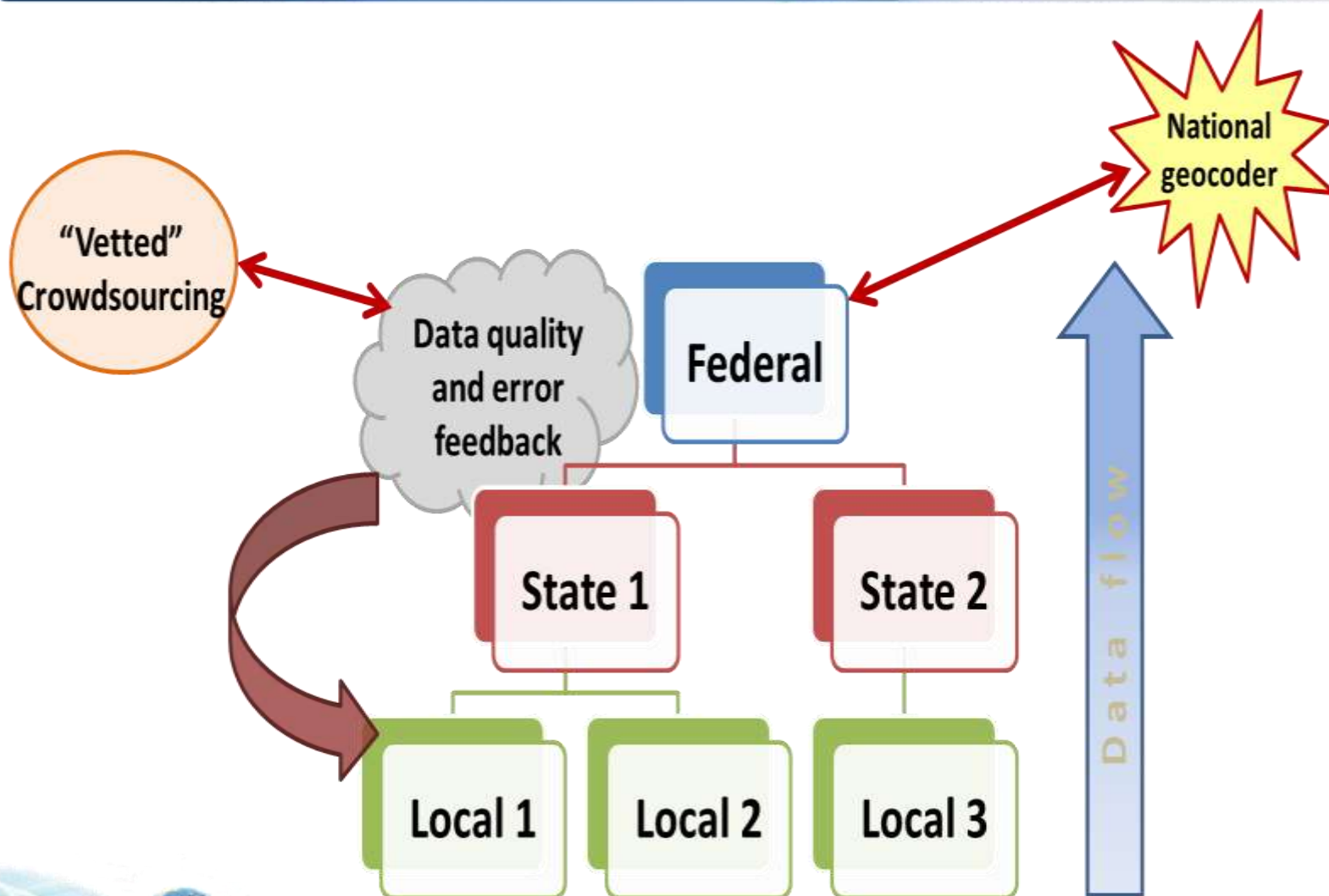| Partner |
| --- |
| State of Arkansas |
| State of California |
| District of Columbia |
| Commonwealth of Massachusetts |
| State of Michigan |
| State of Minnesota |
| State of Montana |
| National Association of State 911 Administrators |
| State of New Jersey |

Partner
State of North Carolina
State of New Hampshire
National States Geographic Information Council
State of Oregon
Oakland County, Michigan
City of Philadelphia
Urban and Regional Information Systems Association
State of Vermont
Washington Metropolitan Area Transit Authority

NAD Update

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First Step: The National Address Database Summit

❖ Held April 8-9, 2015 at the Maritime Institute in Linthicum, MD

❖ Funded by DOT/Bureau of Transportation Statistics

❖ Objective: To identify and discuss possible options for developing a National Address Database (NAD)

❖ Broad stakeholder representation
   ❖ Government (Federal, State, Local, and Tribal)
   ❖ Private Sector
   ❖ Non-Profits and Trade Organizations

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How the NAD Would Work

Pilot Launch October 2015

❖ Advisory Group Established – Key Stakeholders

❖ DOT Funded

❖ Goals

- Explore workflows
- Understand best practices for address roll-up
- Compare Data Schemas
- Determine minimum content guideline
- Keep NAD in the public domain

Metadata Requirements

❖ Key take-away
  ❖ Top three needs are essential, remaining are desirable

❖ Top five metadata requirements
  ❖ Address coordinate reference system
  ❖ Coordinate reference system authority
  ❖ Indicator of quality
  ❖ Unique IDs
  ❖ Address lifecycle

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Functional Requirements

❖ Key take-away points
  ❖ Bulk download serves 90% of agencies needs
  ❖ Functionality beyond tools on Geospatial Platform would be useful

❖ Top five functional requirements
  ❖ Feedback mechanisms
    • Error correction
    • Functionality development
  ❖ Download tools such as subset download, queuing
  ❖ Anytime access via cloud
  ❖ Batch geocoding service
  ❖ Ability to feed updates to classified systems

Topics for Further Discussion

❖ Overall workflow
  ❖ Maintenance
❖ Quality
❖ Unique IDs
❖ Linkages to other datasets
    ❖ Infrastructure points (manholes, fire hydrants)
    ❖ Building footprints, parcels, etc.

Next Steps

❖ Produce report of workshop findings with recommendations

❖ Continue discussions on NAD and address topics at monthly Address Subcommittee meetings

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NAD Challenges

❖ Resources needed to host the Pilot NAD

❖ Currently no funding for NAD development and support

❖ Need funding strategies for NAD development and support beginning in FY19

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